



Photo Credit: Wikimedia commons Frank Olsen

When the sun lets out bursts of charged particles, some of them flow right down into Earth's atmosphere near the Poles. When these charged particles hit Earth's atmosphere, they cause the gases in the air to glow in beautiful shades of green and red. Play "Shields Up" and protect Earth satellites from space weather like this!



/shields-up

JANUARY 2016

spaceplace.nasa.gov

Sunday

Monday


Tuesday


Wednesday

Thursday

Friday

Saturday


National Thank You Month.
To thank your teachers for their wonderful work, we have downloadable posters of space and Earth.
 /posters

On this calendar
 / means
spaceplace.nasa.gov/

1  LAST QUARTER
Galileo saw Saturn's rings through a telescope in 1610. Could a spaceship land on Saturn's rings?
 /dr-marc-solar-system
New Years Day

2


3

4
Earth at perihelion, the time of year when it is closest to the sun. Just how close is Earth to the sun right now?
 /seasons

5

6

7
Galileo first spots what become known as Jupiter's Galilean moons. How do these moons interact with each other and their massive parent?
 /io-tides

8
Physicist Stephen J. Hawking born 1942. He writes about black holes. How does it "sound" when a big star is swallowed by a black hole?
 /ligo-g-waves

9  NEW MOON

10

11
Amelia Earhart is the first woman to fly solo across the Pacific in 1935. How did her airplane stay up?
 /dr-marc-technology


12

13

14


15

16  FIRST QUARTER

17
Ben Franklin's birthday, 1706. Ben played the violin. Maybe he played one made during the "little ice age."
 /violins


18


19
Martin Luther King, Jr. Day

20
Penguin Awareness Day. Emperor penguins migrate each year to breed. What other animals migrate?
 /migration

21

22

23  FULL MOON

24  FIRST QUARTER
31

25
Mars rover Opportunity landed on Mars in 2004. Get the inside story on the latest Mars rover, Curiosity.
 /mission-chronicles/ #milkovich

26

27

28

29
National Puzzle Day. Unscramble beautiful "Earth-as-Art" puzzles.
 /spuzzled

30